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FIG. 1

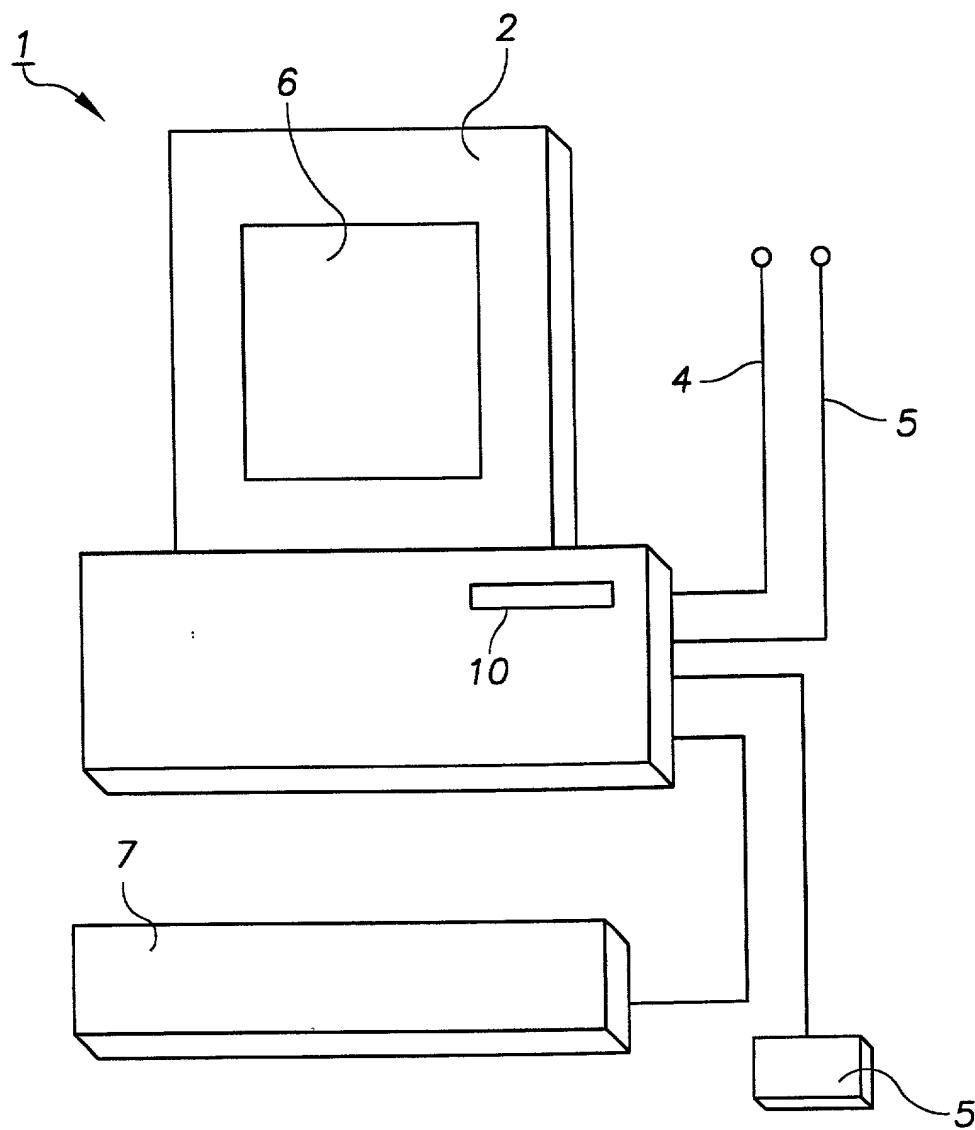
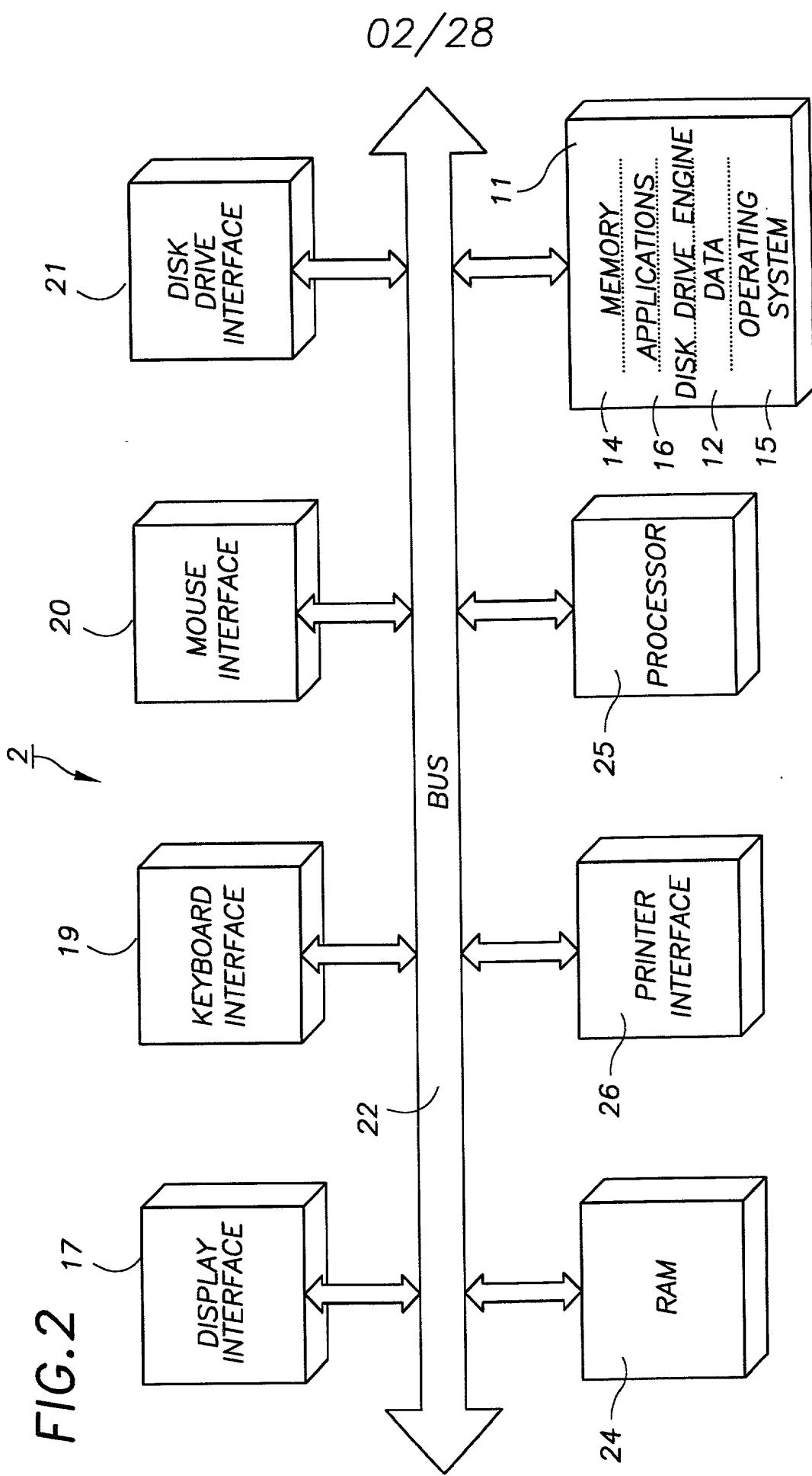
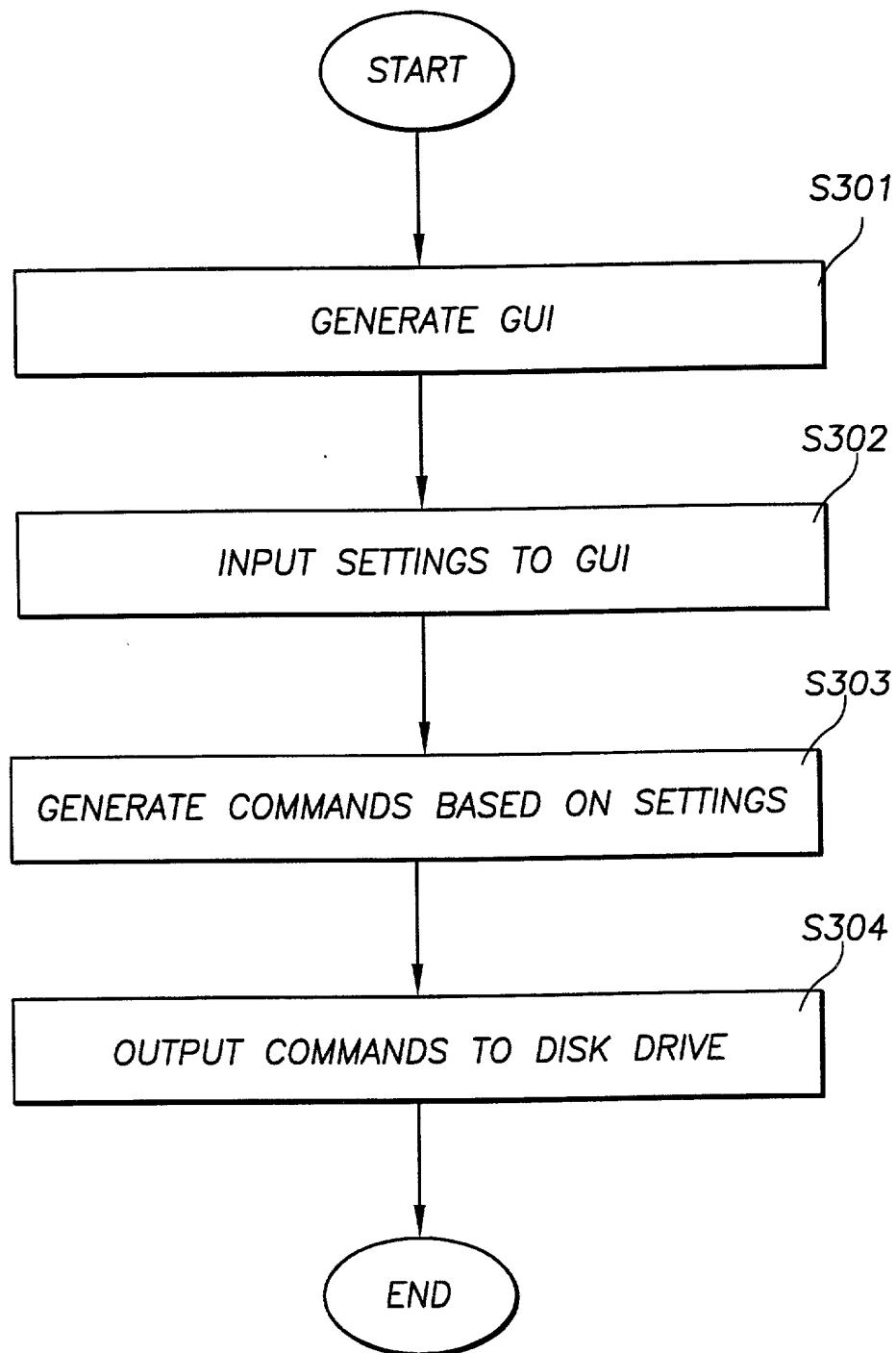


FIG. 2



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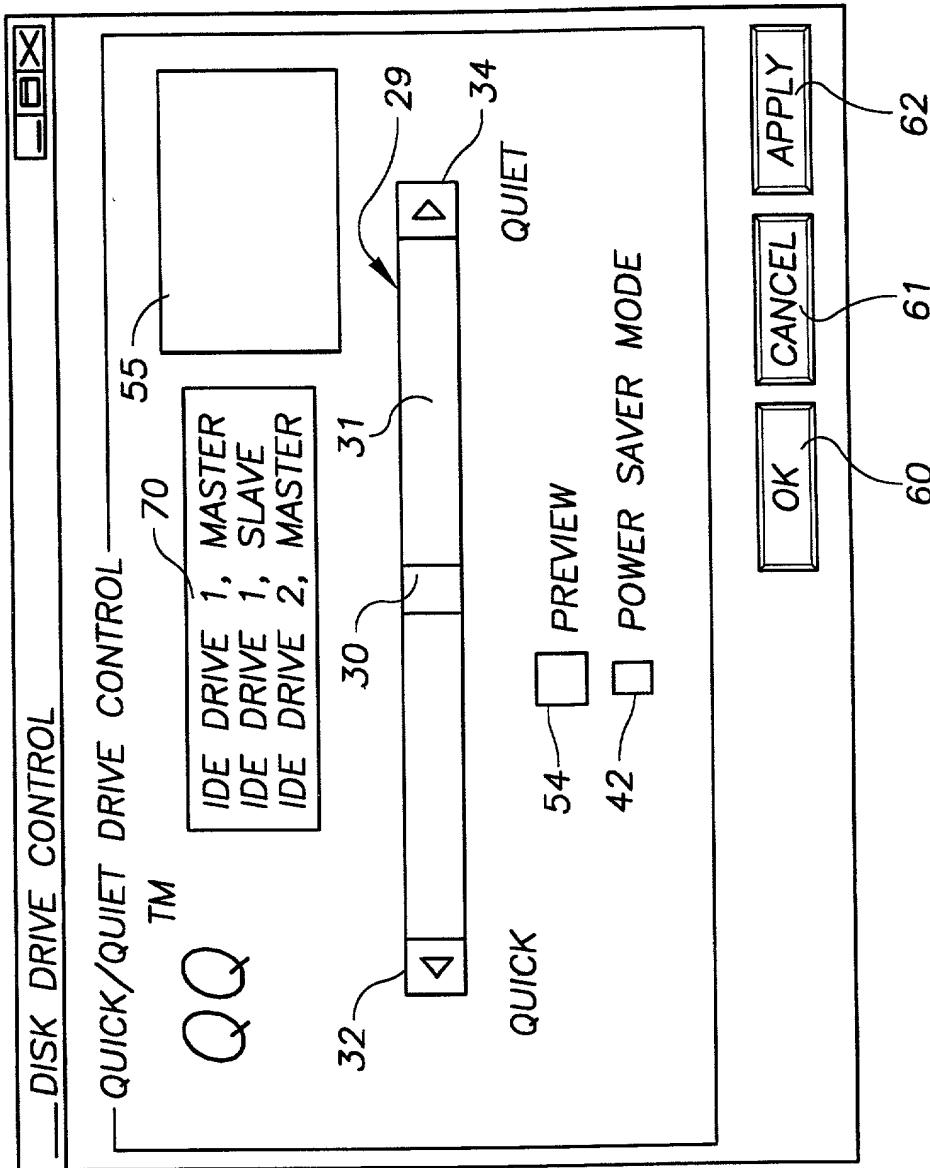
FIG.3



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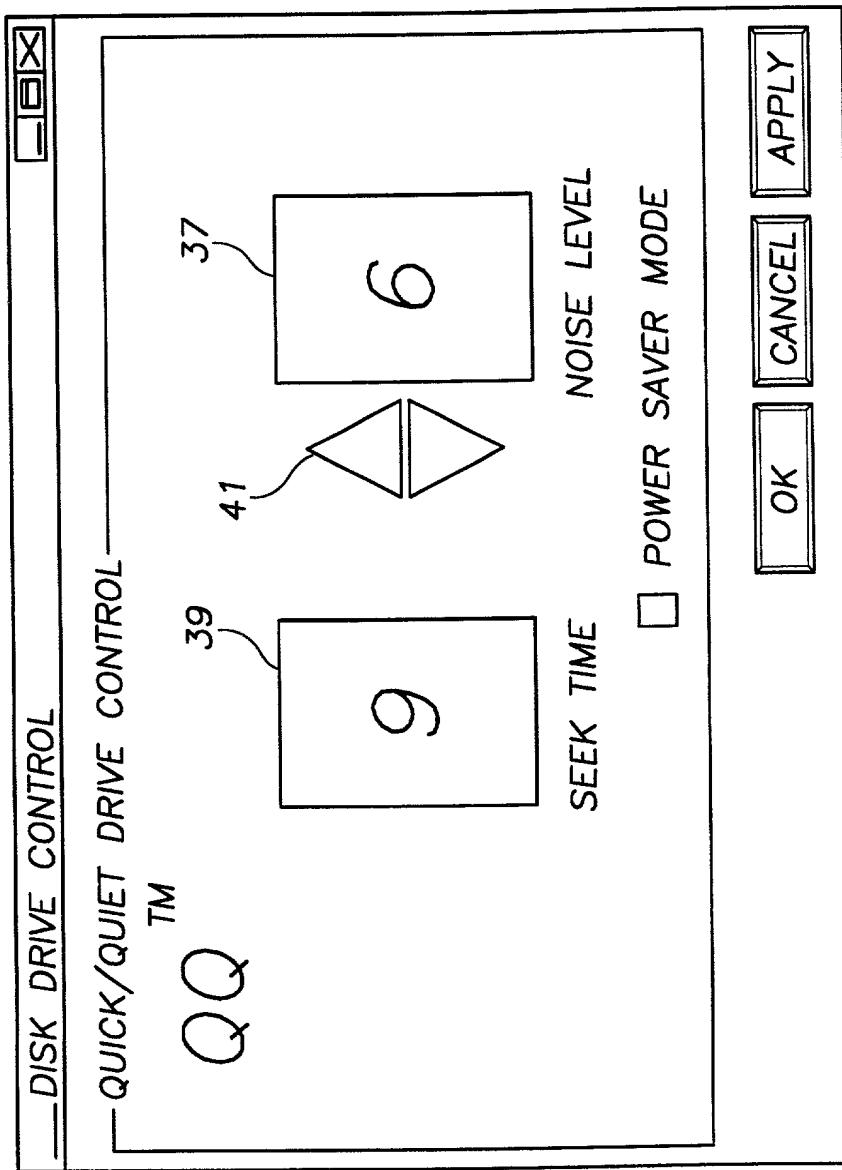
27

FIG. 4



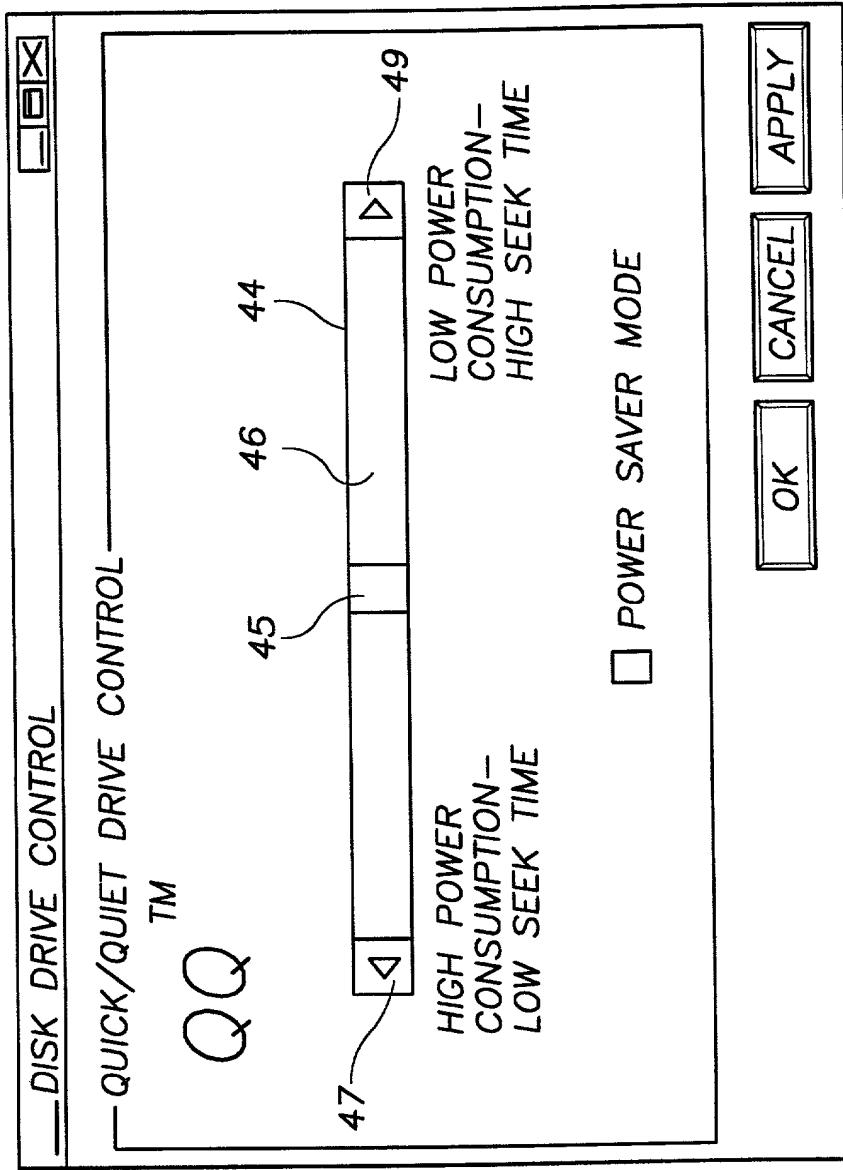
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FIG. 5



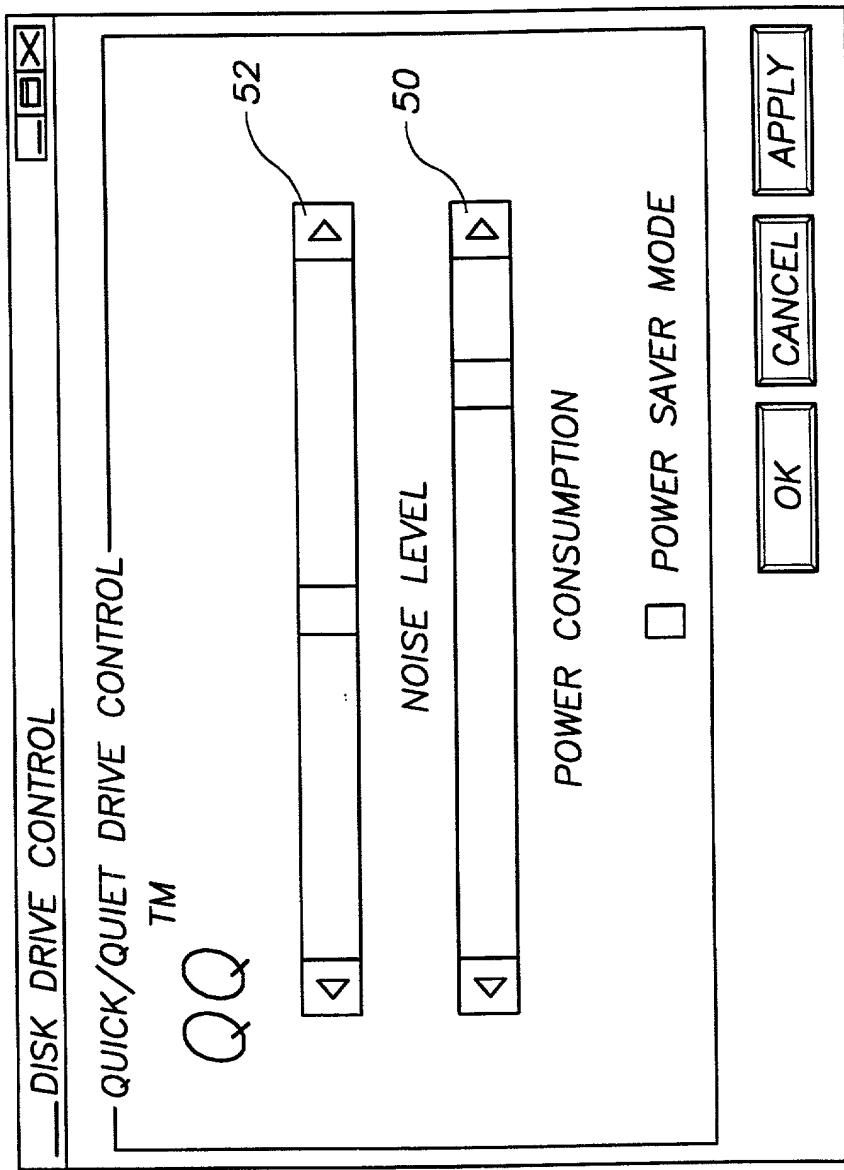
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FIG. 6



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FIG.7



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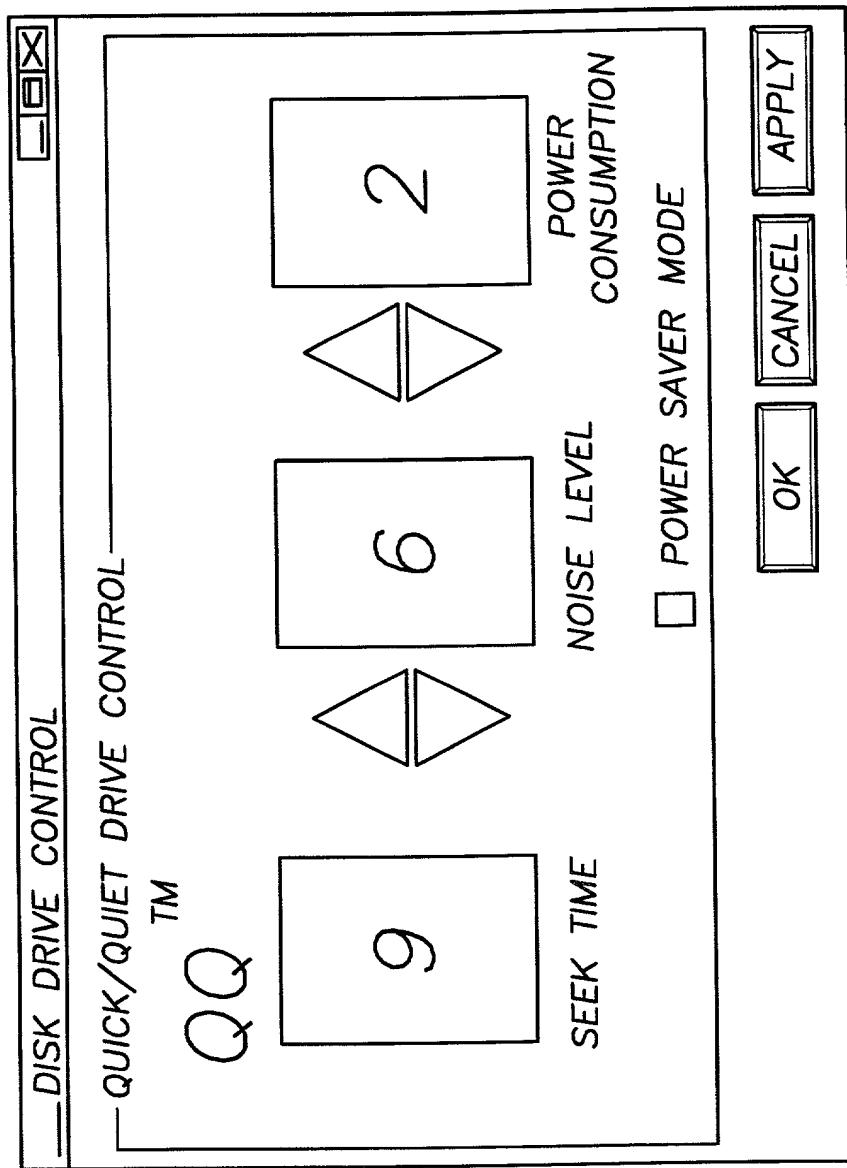


FIG.8

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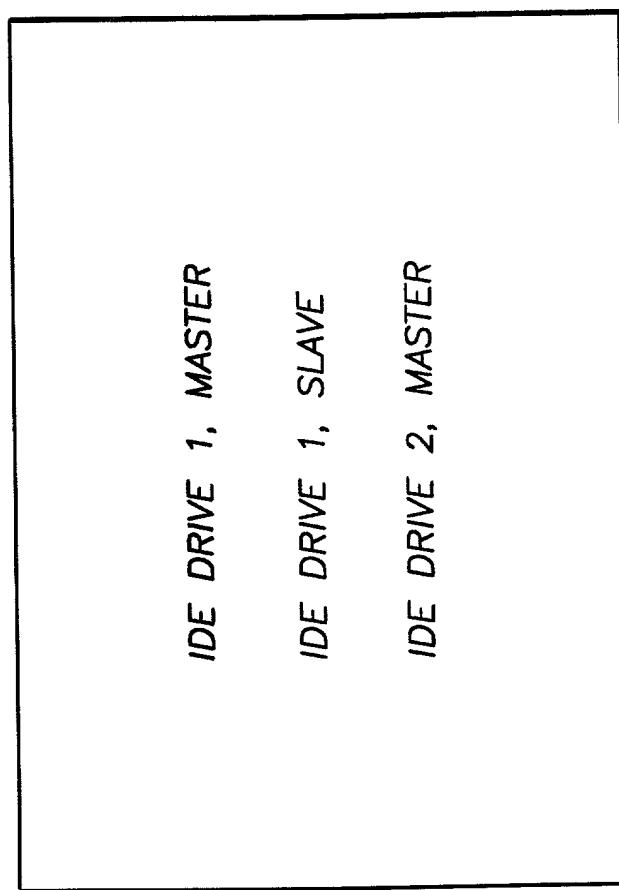


FIG.9

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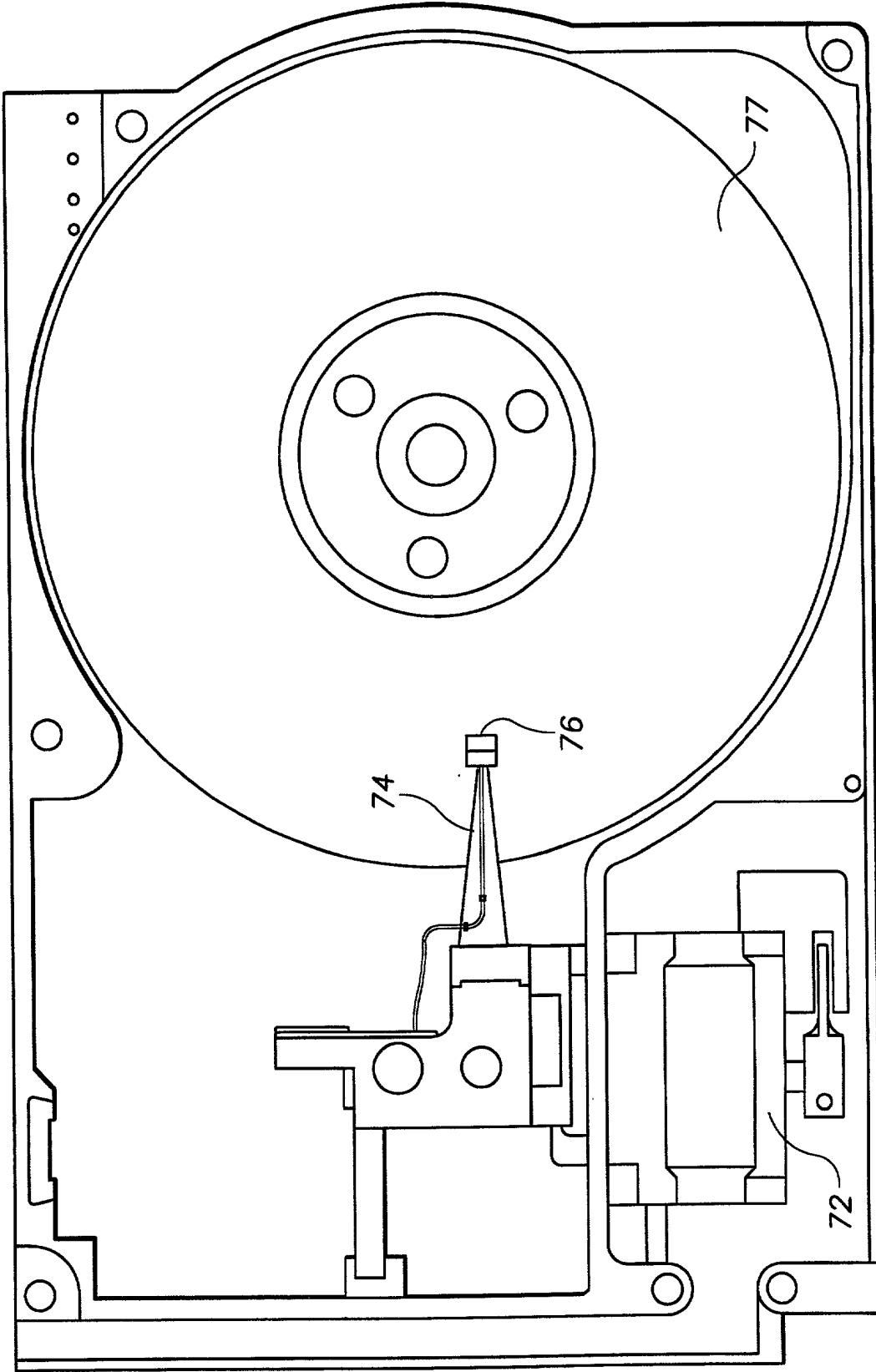


FIG. 10A

10  
↗

FIG.10B

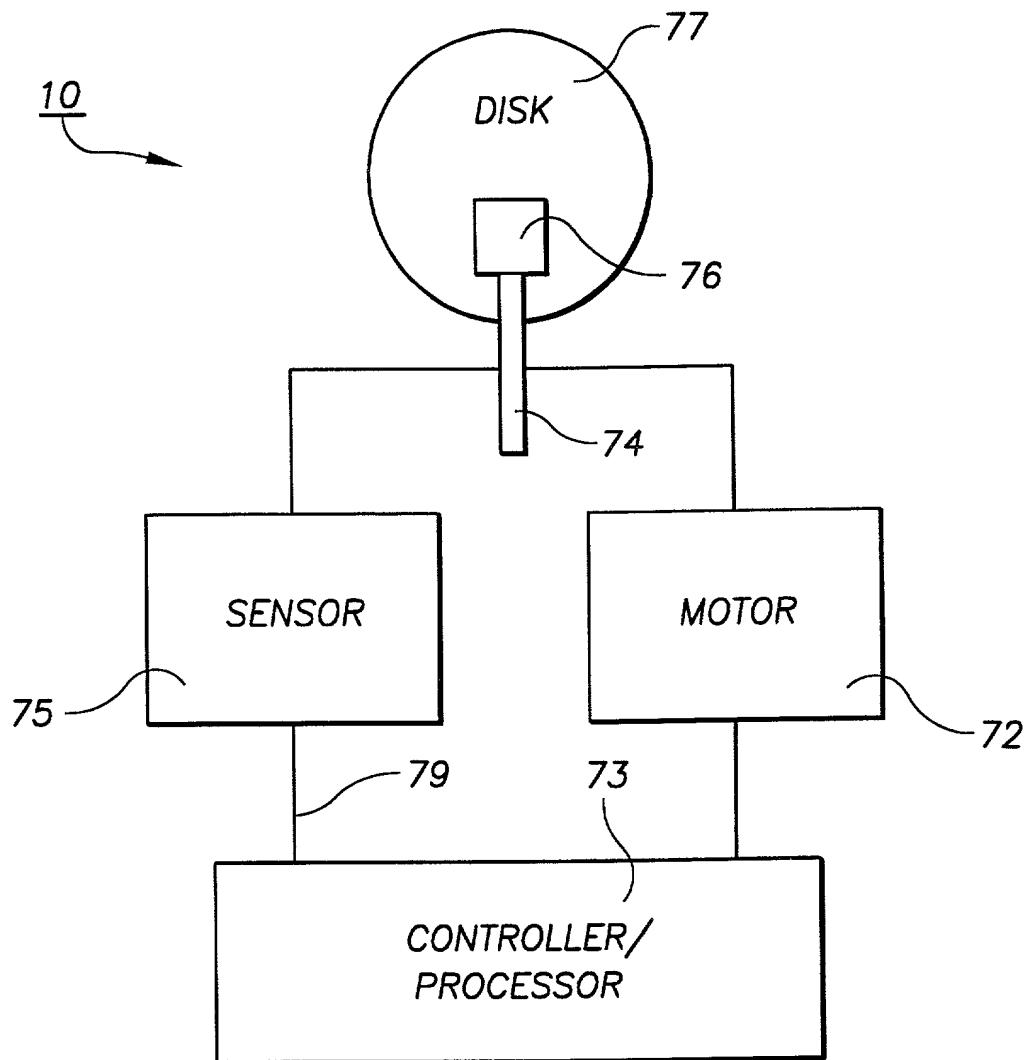


FIG. 11

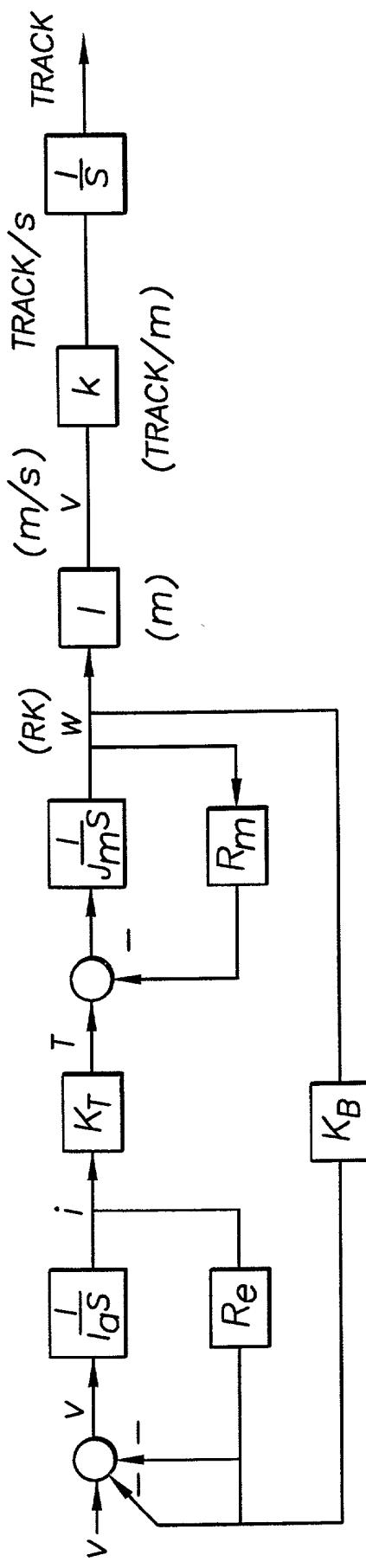


FIG. 12

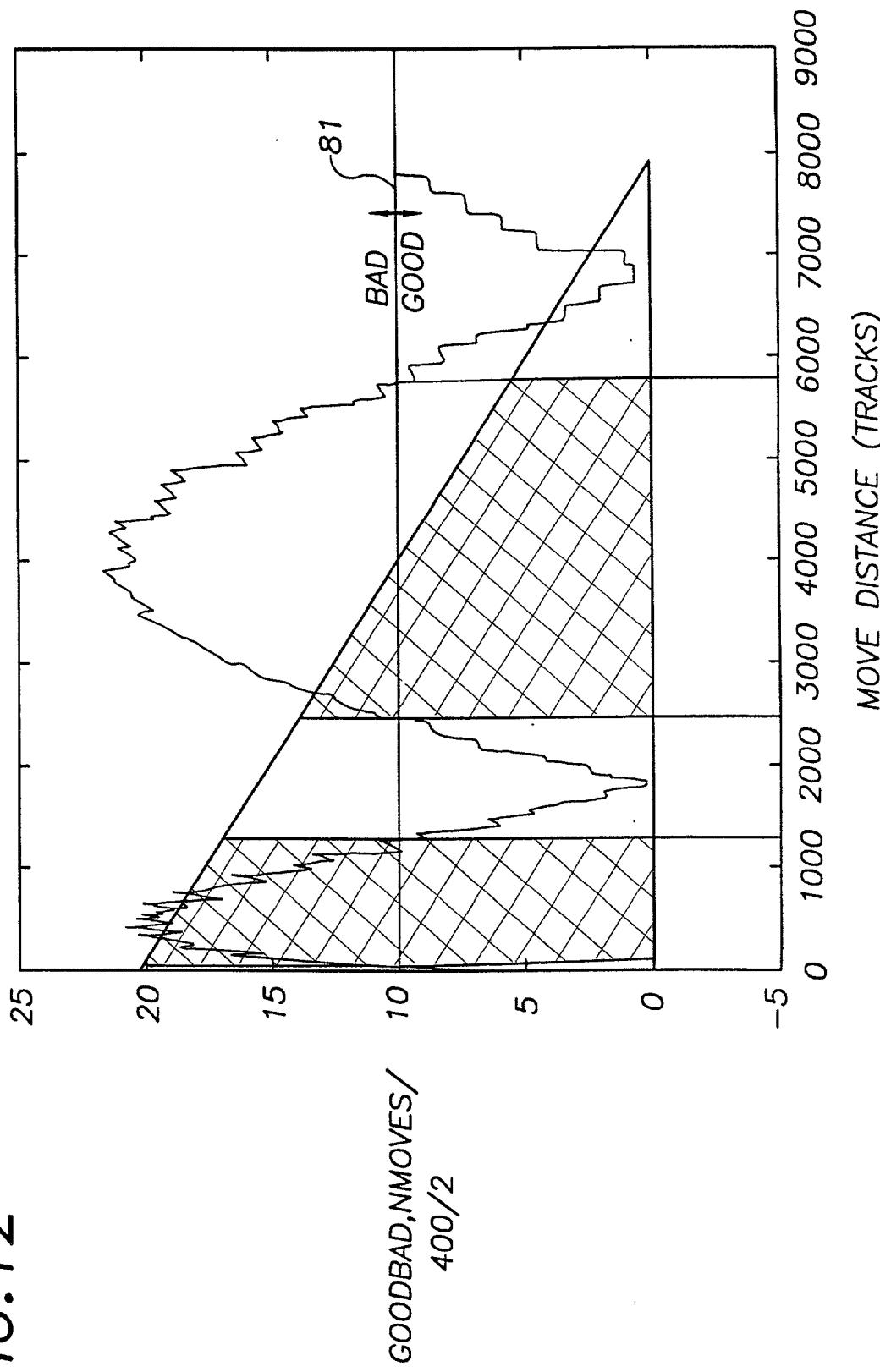


FIG.13

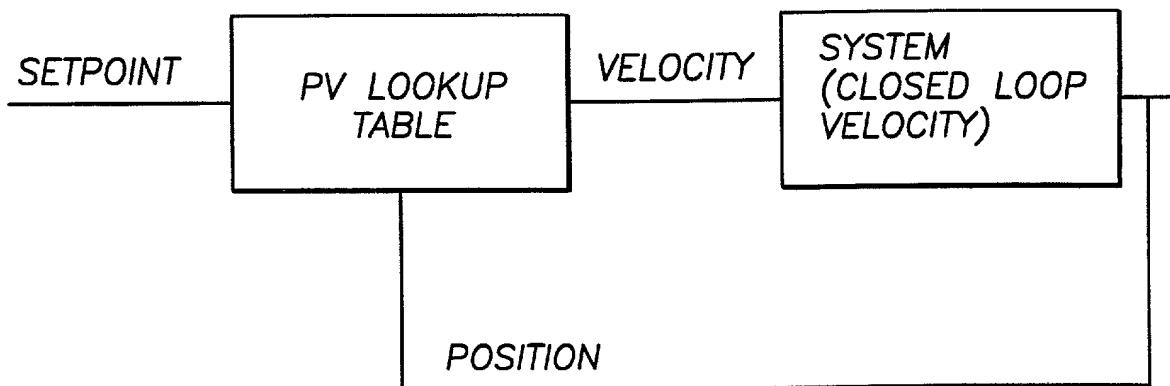
PRIOR ART

FIG.14

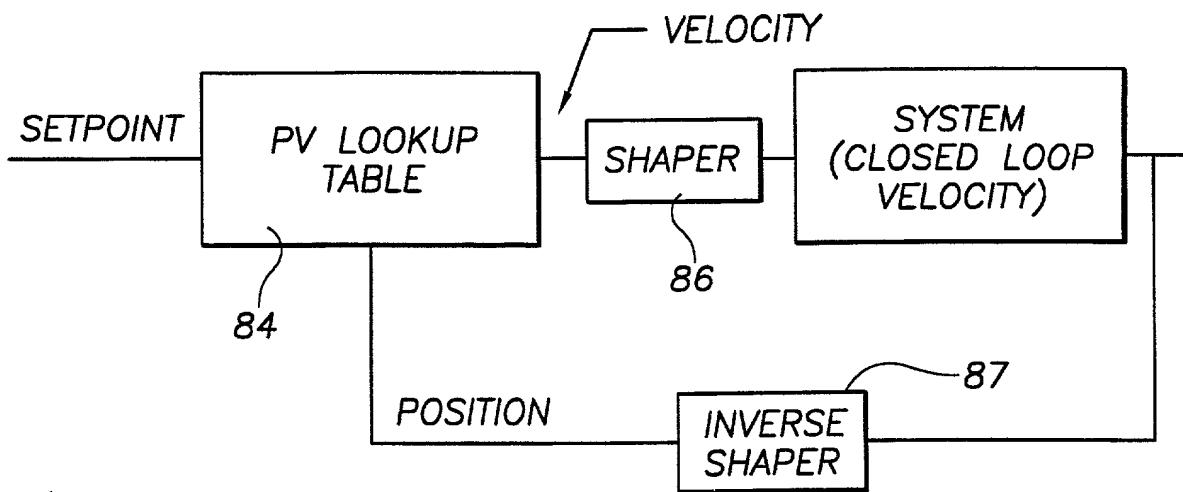


FIG.15

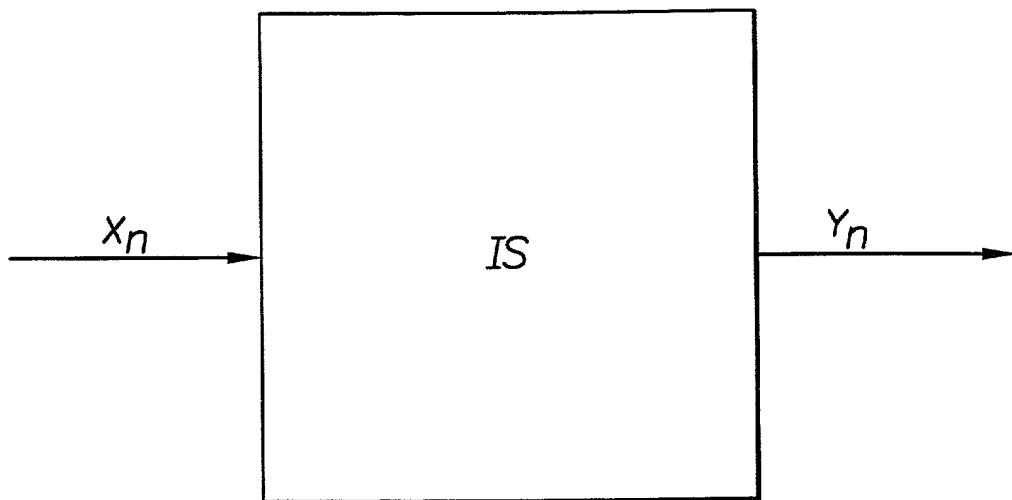


FIG.16

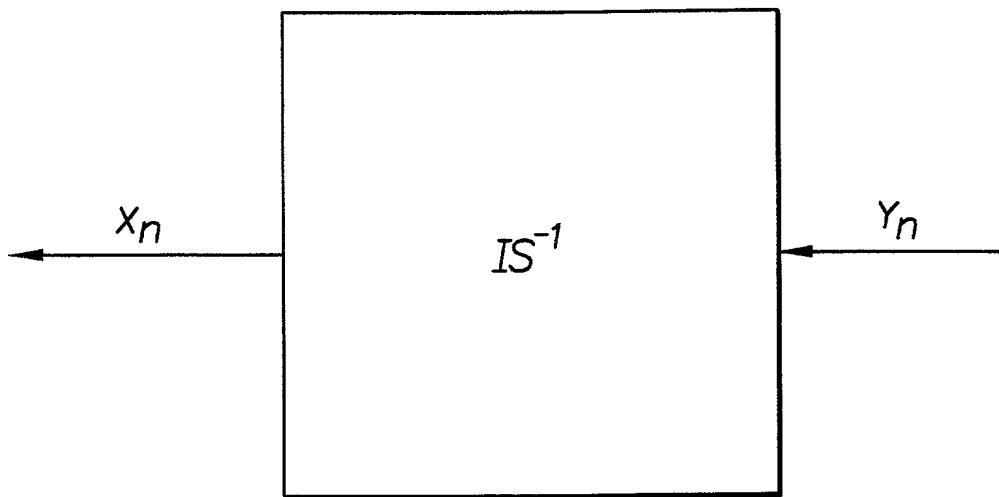


FIG.17

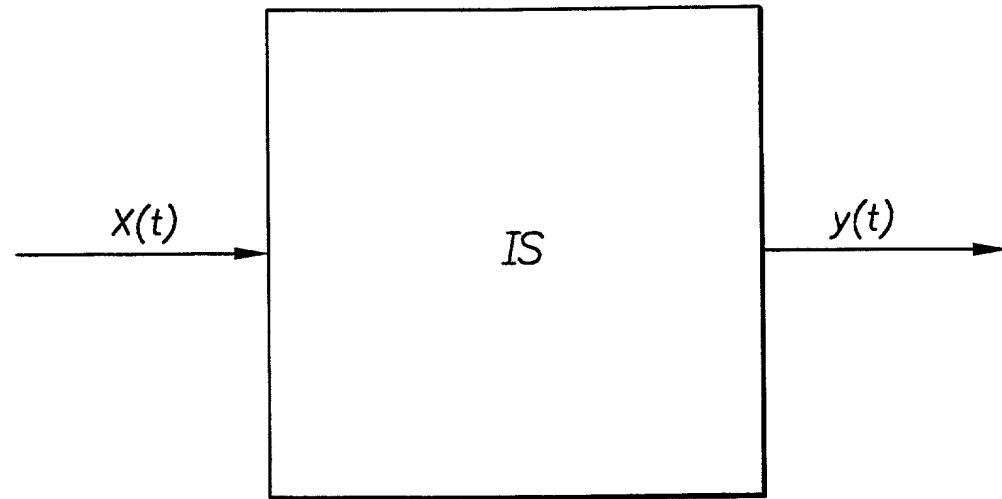


FIG18

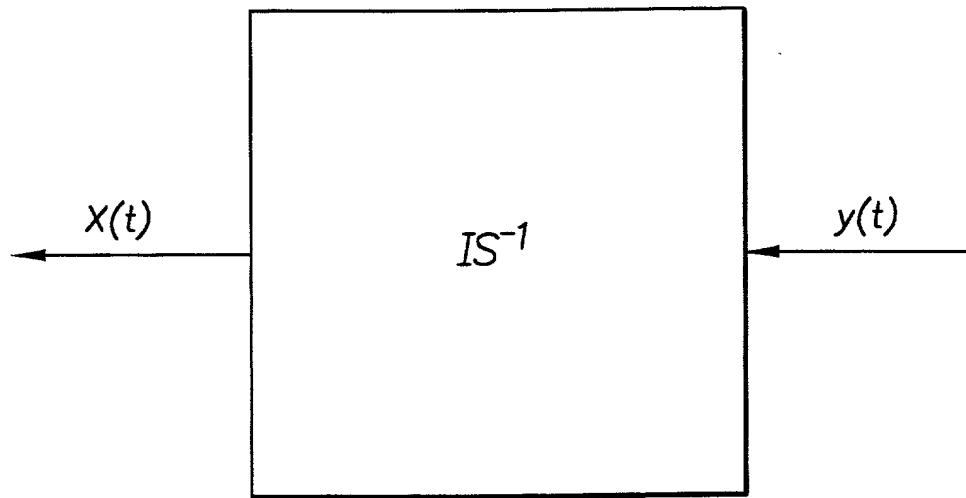


FIG.19

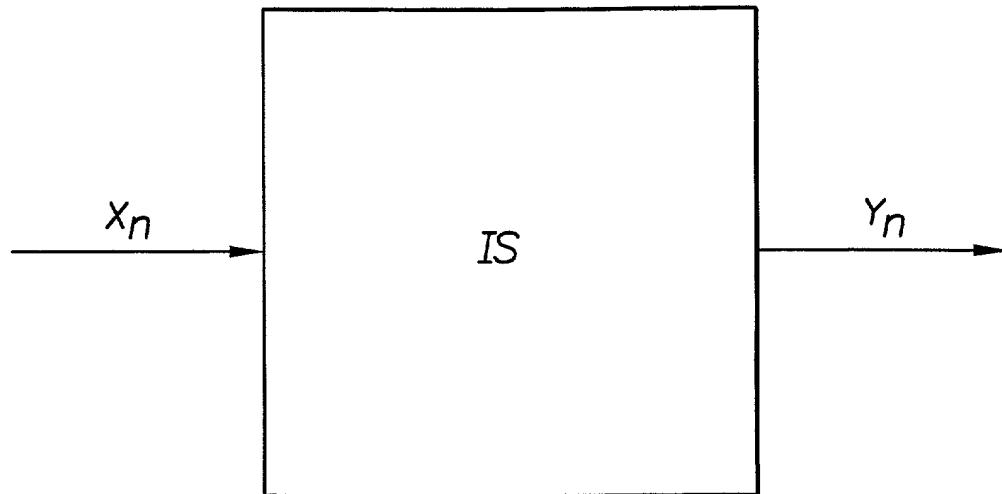


FIG20

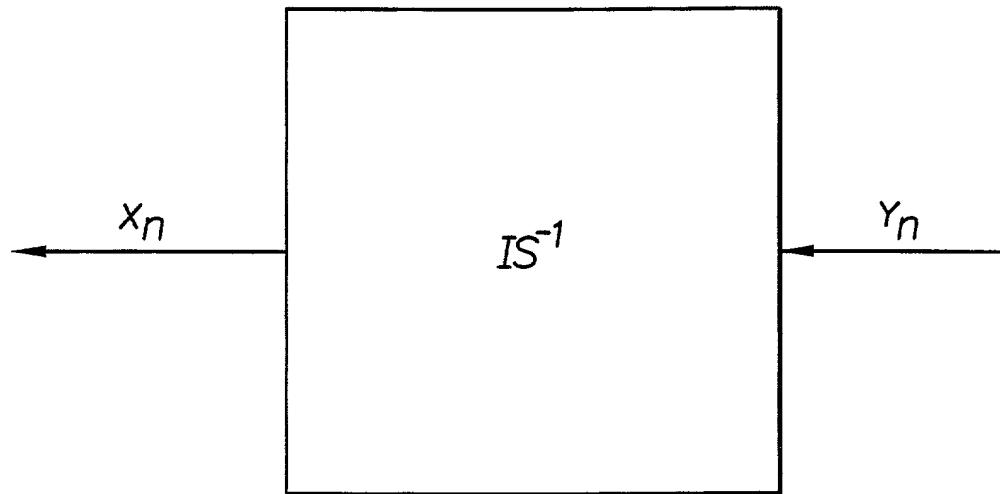
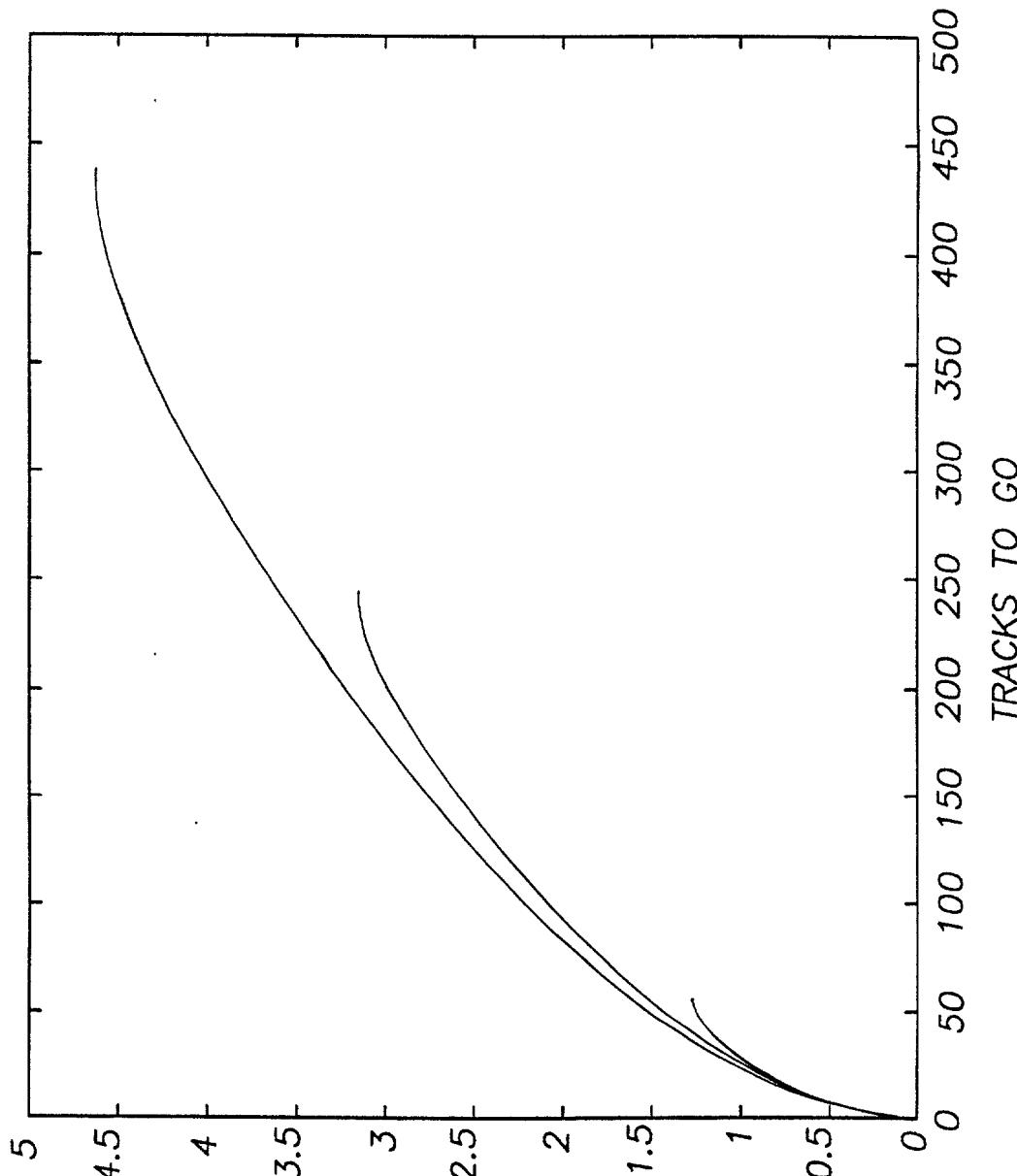


FIG. 21

PV CURVES FOR 100, 500,  
AND 1000 TRACK MOVES

VELOCITY COMMAND  
(TRACKS/SEC)



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FIG. 22

NORMALIZED PV CURVES FOR 100,  
500, 1000, 3000 TRACK MOVES

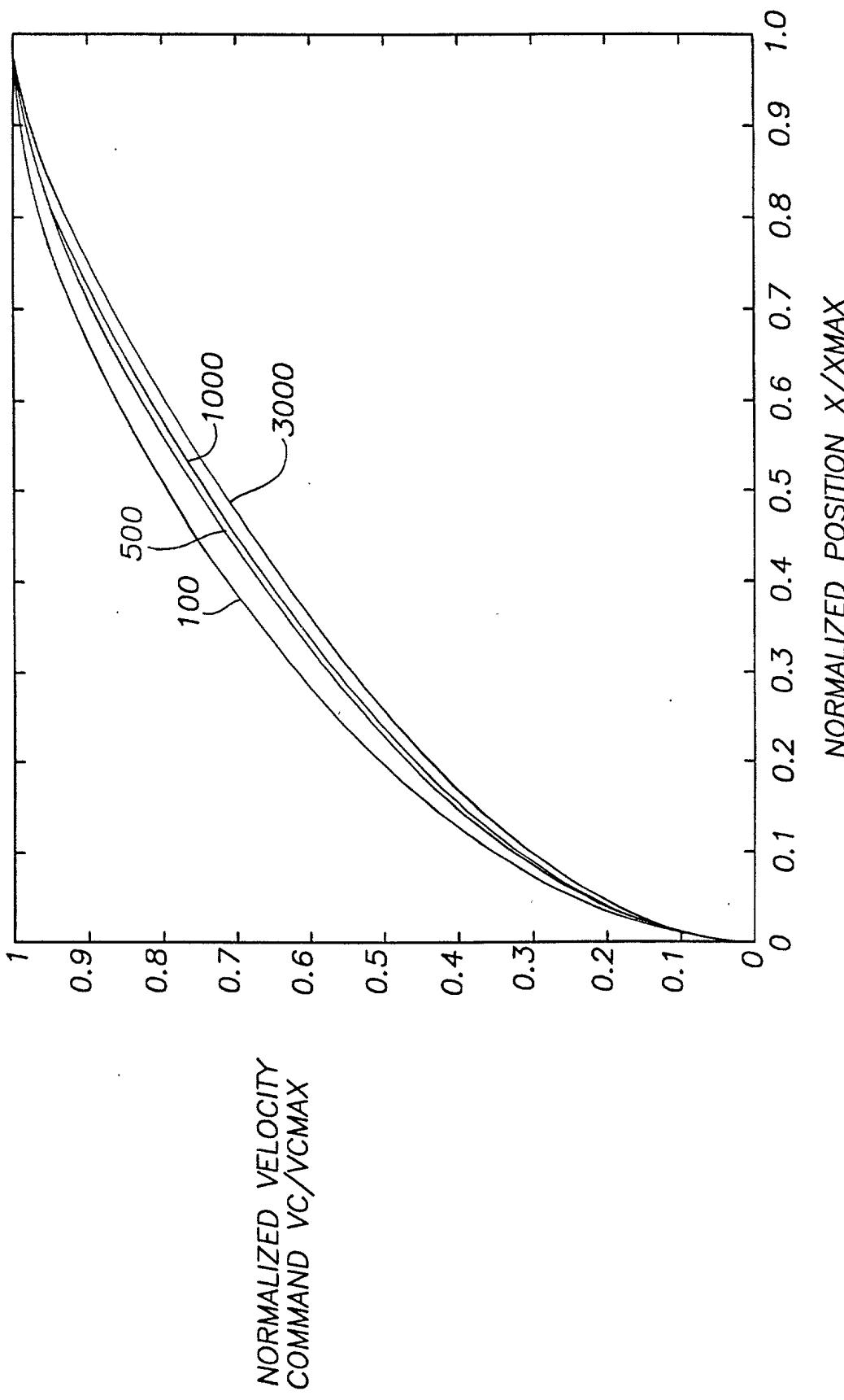


FIG. 23A

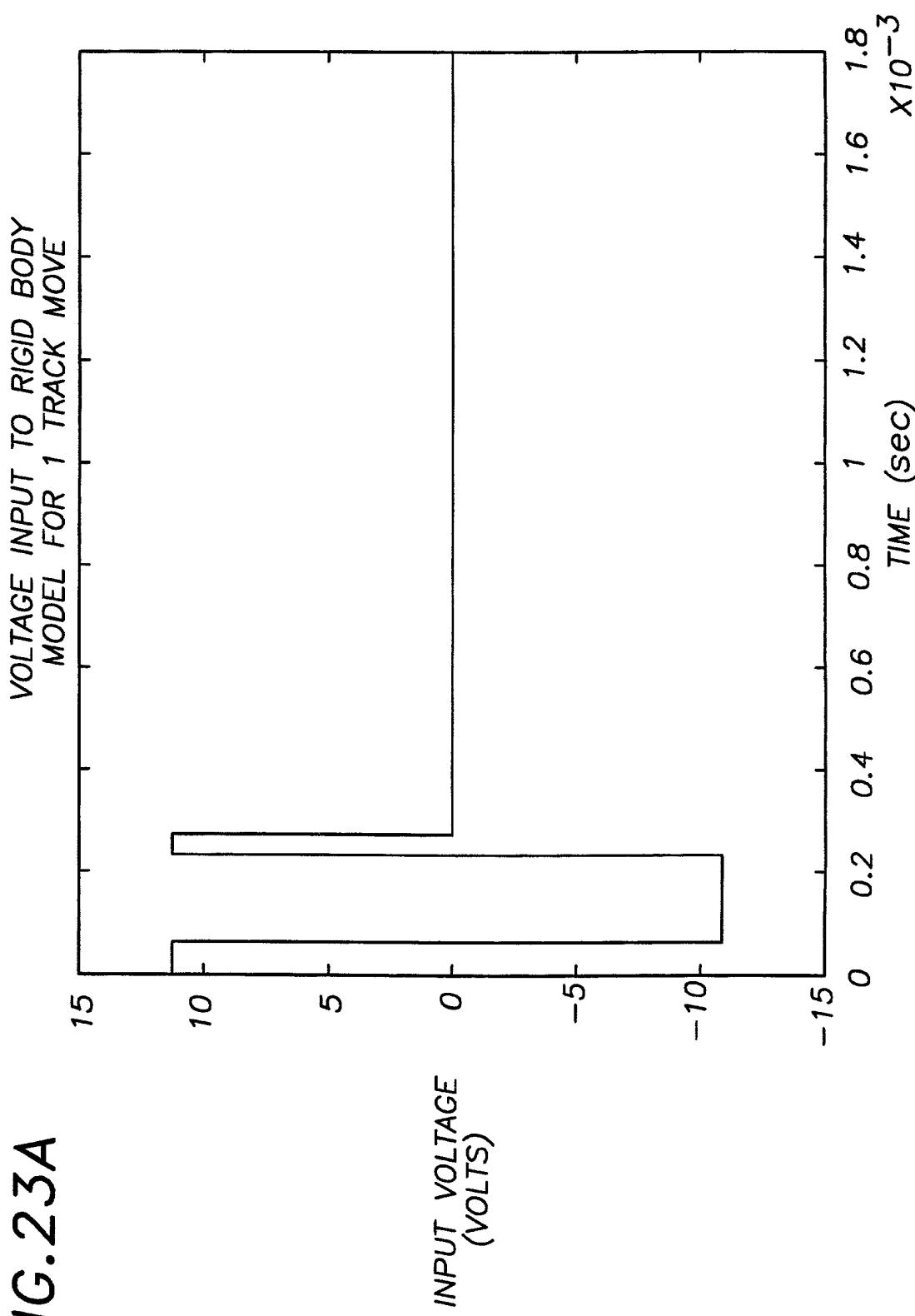


FIG. 23B

VOLTAGE INPUT TO RIGID BODY  
MODEL FOR 3000 TRACK MOVE

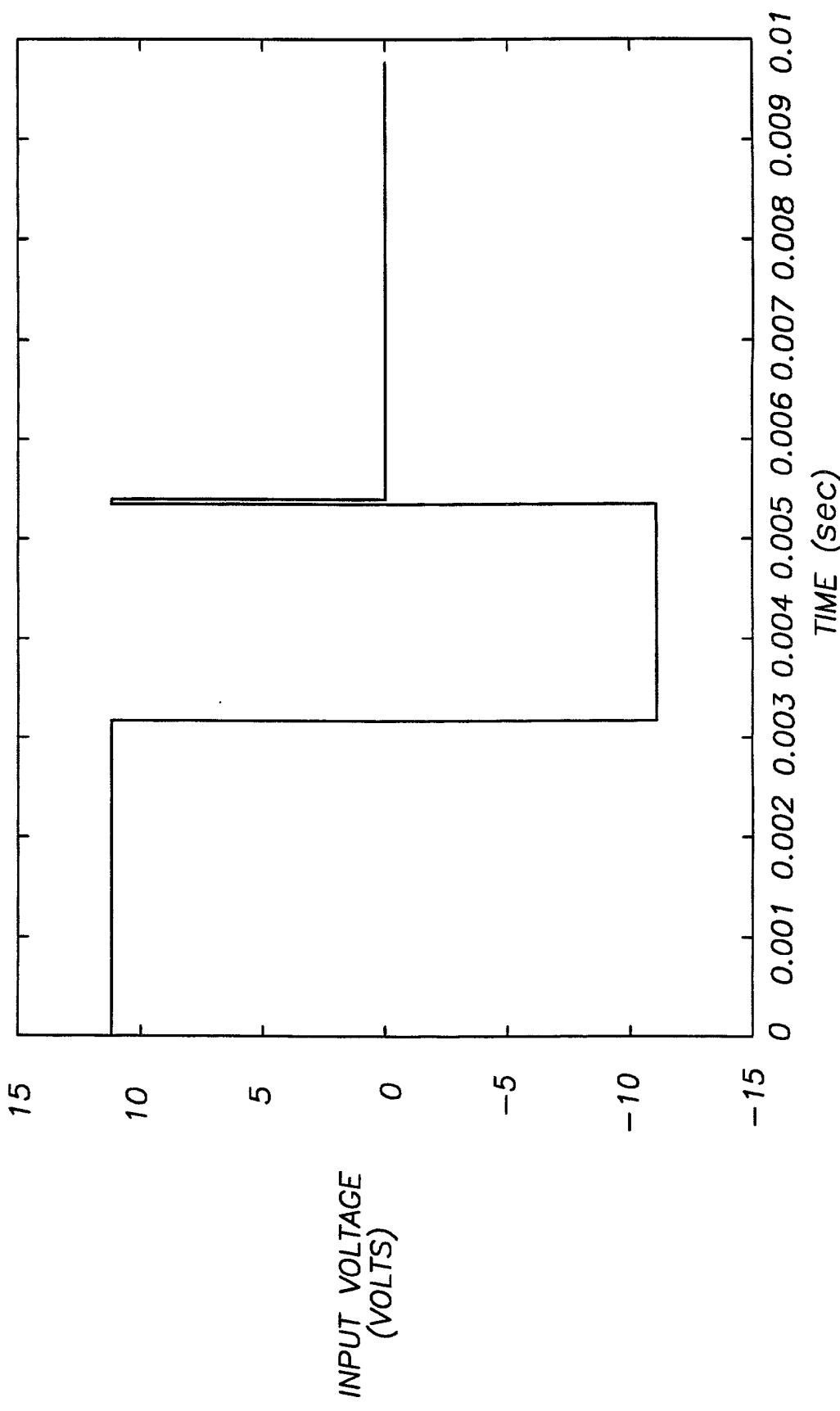


FIG.24

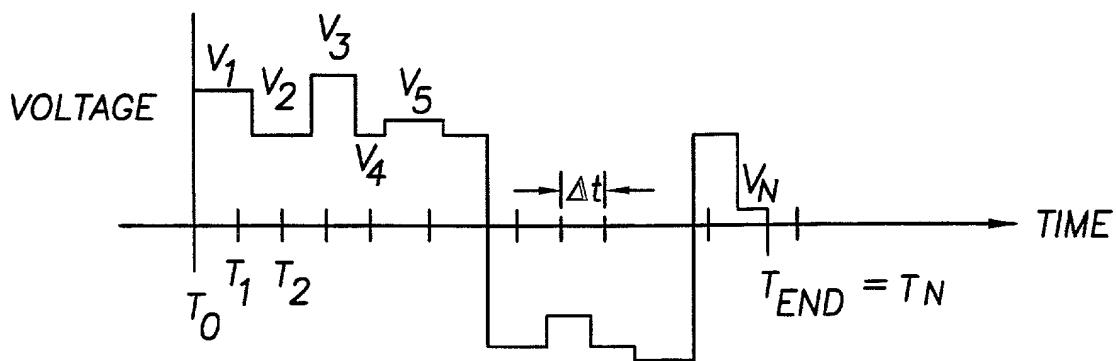


FIG.25

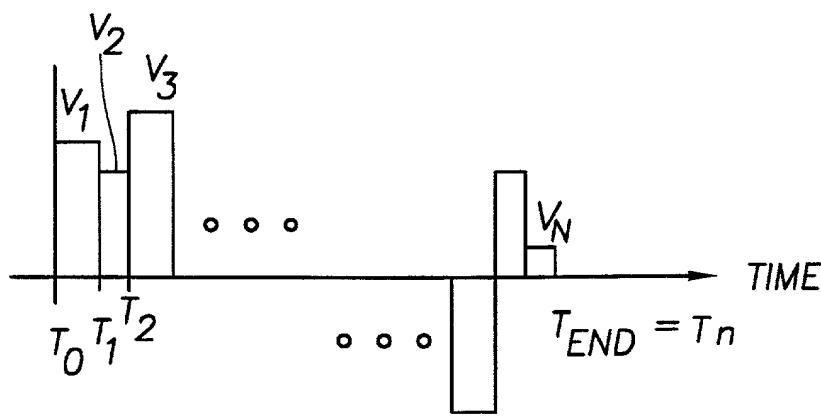


FIG.26

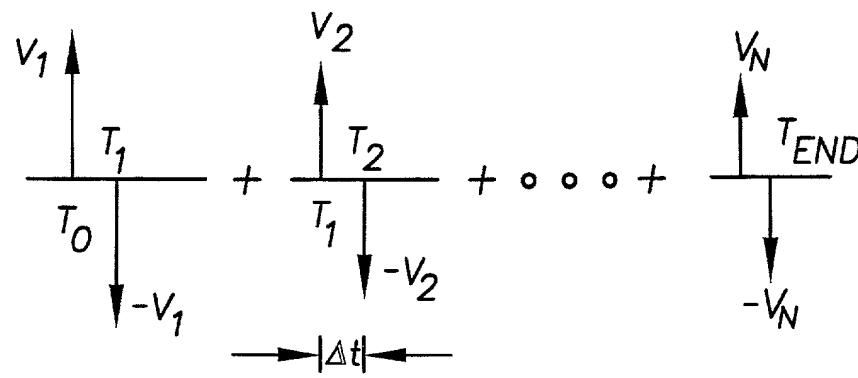


FIG.27

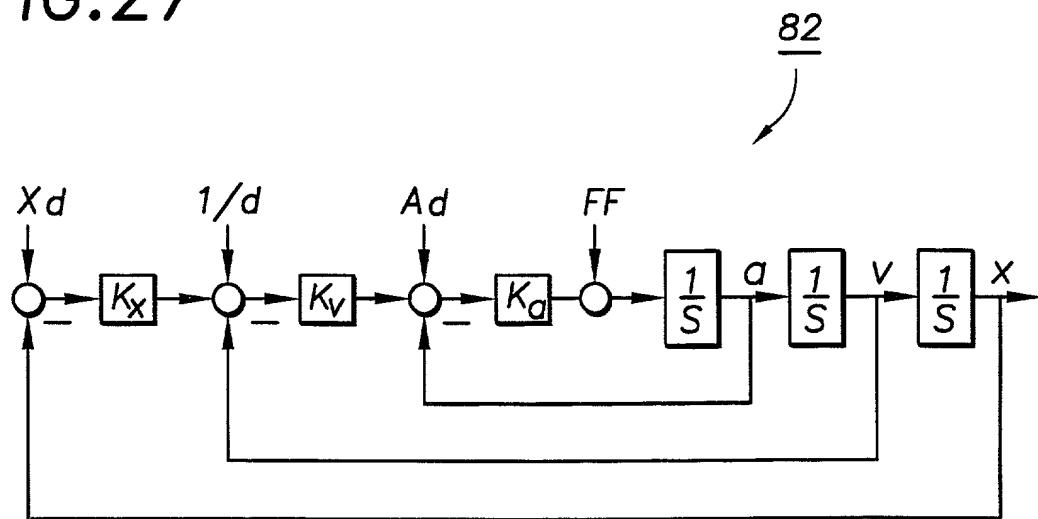
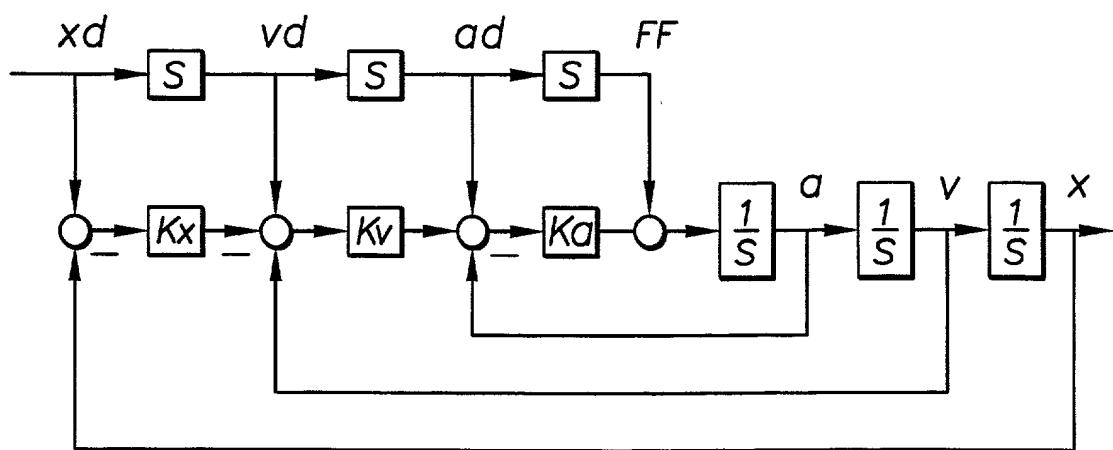


FIG.28



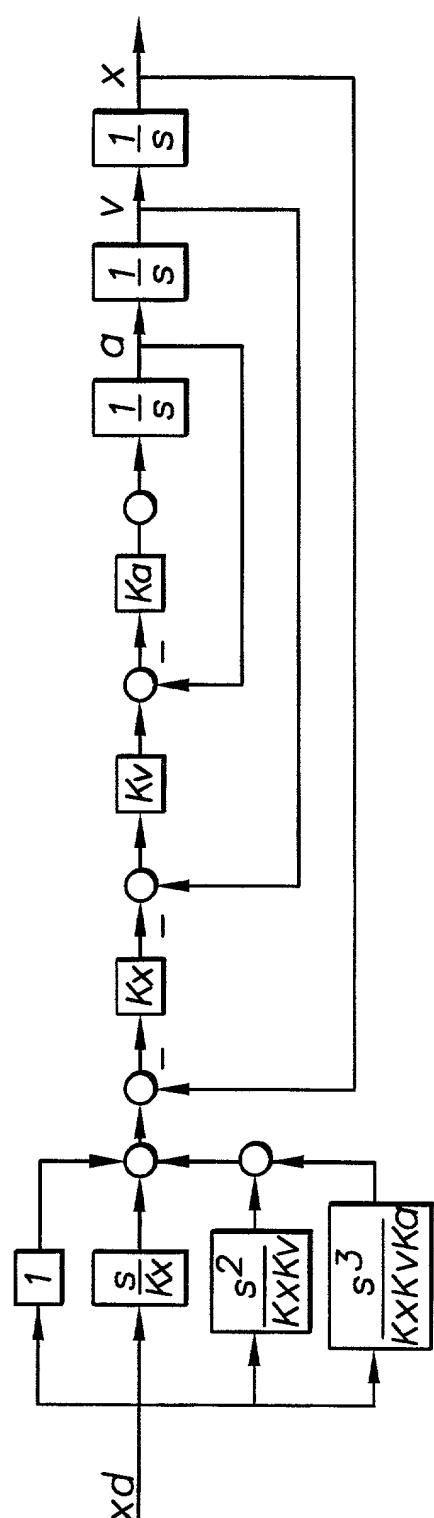


FIG. 29

FIG. 30

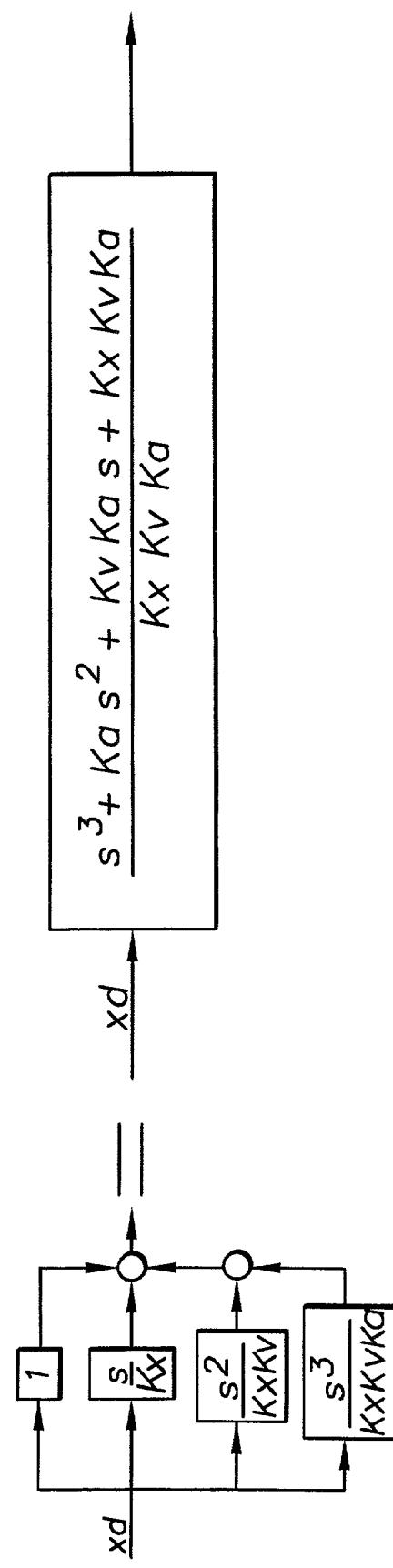


FIG. 31

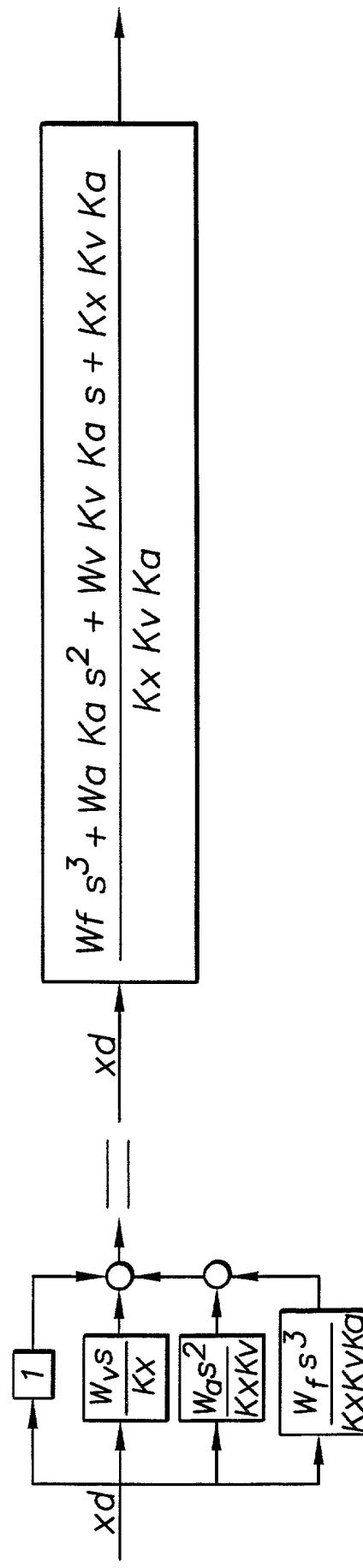
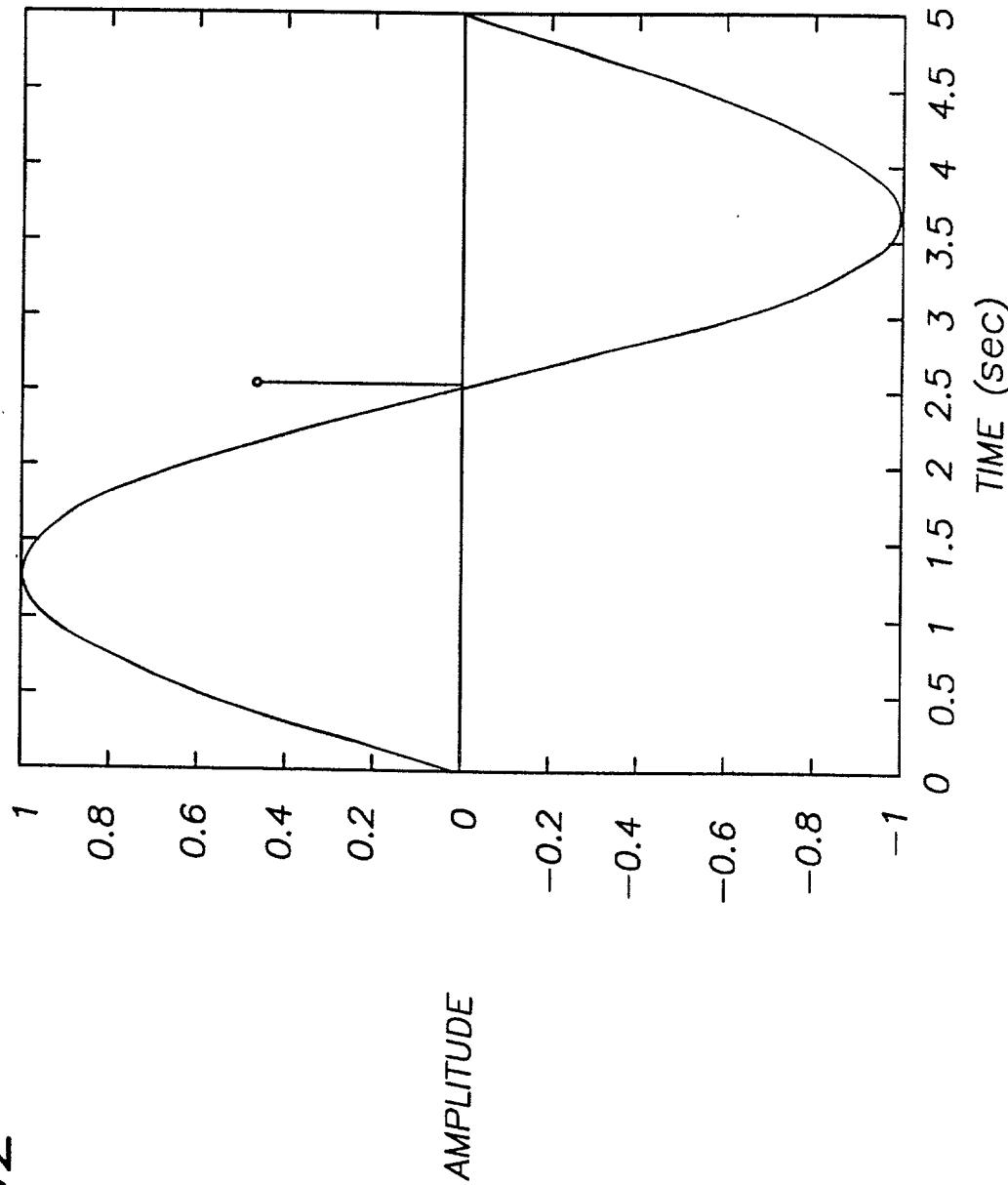


FIG. 32



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FIG.33

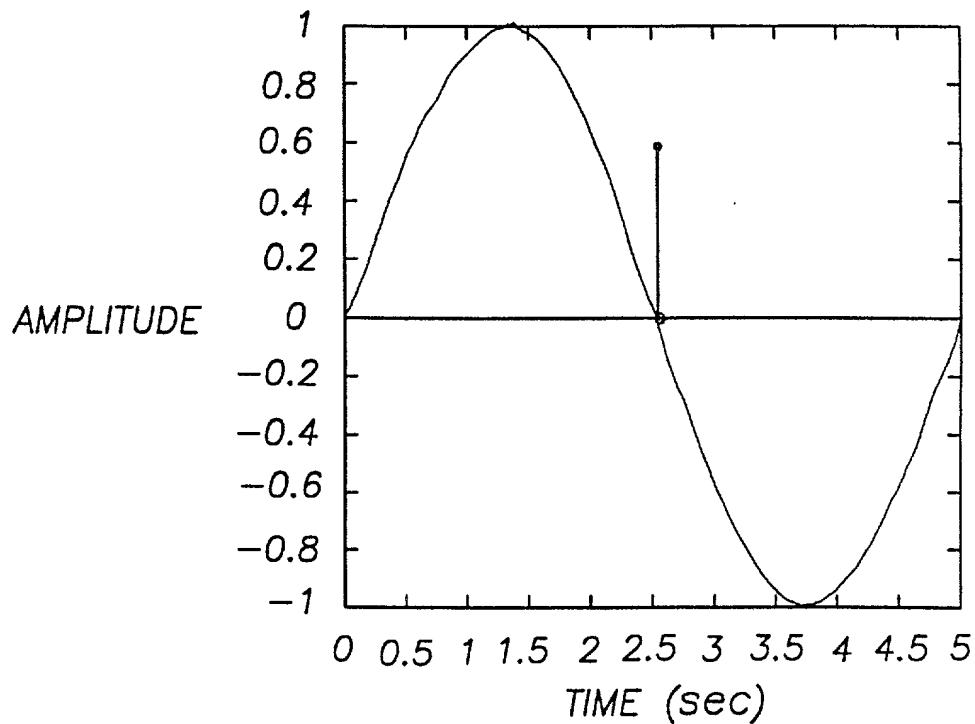


FIG.34

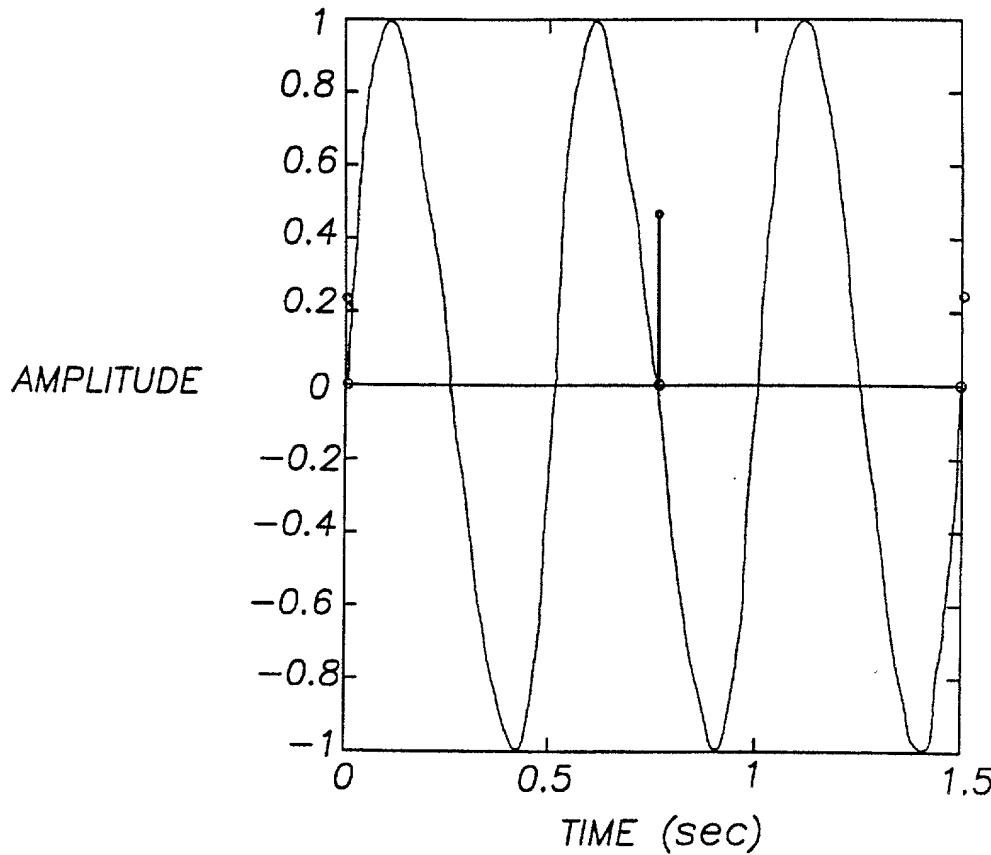


FIG.35

